



270 - 275 Wp

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AXITEC[®]
high quality german solar brand

AXIpower

60 cell polycrystalline, 1000 V
High performance solar module

German engineered – made for America

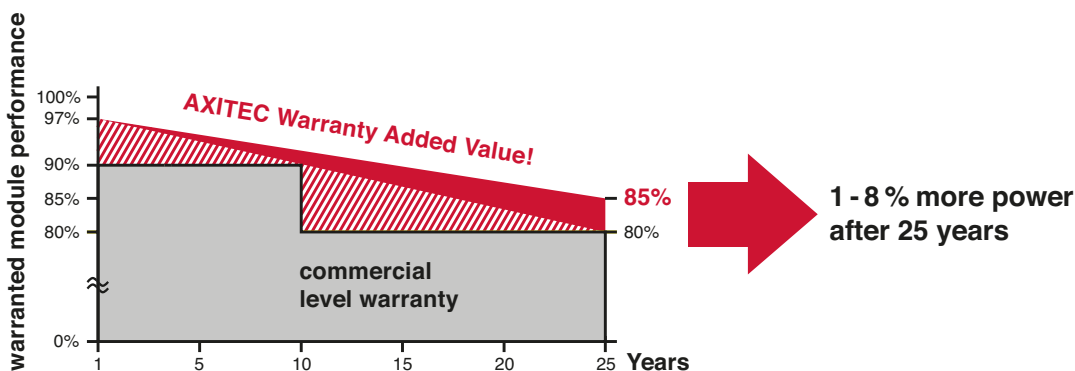
- 15**
Years 15 years manufacturer's warranty
Two more years than industry standard
- P-Max** Highest performance due to specifically selected technologies and materials
- +**
Wp Positive power tolerance from 0-5 Wp
Higher guaranteed yield
- ↓**
113 PSF Snow load of up to 113 psf
Stable module for a long life in extreme conditions
- 100%** 100 % electroluminescence inspection
Micro crack and hotspot free modules
- Soft Grip** Axitec-Soft-Grip-Seam aluminum frame
Higher stability and easier handling
- IP 67** High quality junction box and connector system for a longer life time



Fig. similar 60PUSA180404A

Exclusive linear AXITEC high performance guarantee!

- 15 years manufacturer's guarantee on 90% of the nominal performance
- 25 years manufacturer's guarantee on 85% of the nominal performance



(Photovoltaic Module over 600 Volts)
E487509

AXIpower 270 - 275 Wp

Electrical data (at standard conditions (STC) irradiance 1000 watt/m², spectrum AM 1.5 at a cell temperature of 25°C)

Type	Nominal output P _{mpp}	Nominal voltage U _{mpp}	Nominal current I _{mpp}	Short circuit current I _{sc}	Open circuit voltage U _{oc}	Module conversion efficiency
AC-270P/60S	270 Wp	31.26 V	8.64 A	9.15 A	38.31 V	16.60 %
AC-275P/60S	275 Wp	31.46 V	8.74 A	9.24 A	38.50 V	16.90 %

Design

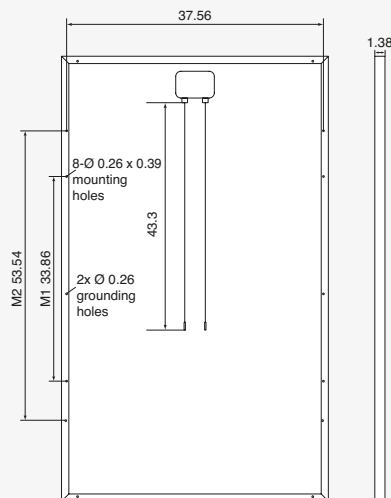
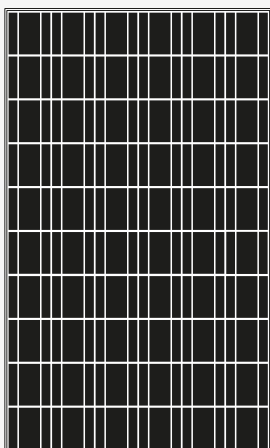
Frontside	0.13 inch (3.2 mm) hardened, low-reflection white glass
Cells	60 polycrystalline high efficiency cells 6 inch (156 x 156 mm)
Backside	Composite film
Frame	1.38 inch (35 mm) silver anodized aluminium frame

Mechanical data

L x W x H	64.57 x 39.06 x 1.38 inch (1640 x 992 x 35 mm)
Weight	39.68 lbs (18.0 kg) with frame

Power connection

Socket	Protection Class IP67 (3 bypass diodes)
Wire	43.3 inch, AWG 11
Plug-in system	Plug/socket IP67



All dimensions in inch

Limit values

System voltage	1000 VDC (UL) 1000 VDC (IEC)
NOCT (nominal operating cell temperature)*	45°C +/-2K
Max. load-carrying capacity	113 PSF
Reverse current feed IR	20.0 A
Permissible operating temperature	-40°C to 85°C / -40F to 185F

(No external voltages greater than V_o may be applied to the module)

* NOCT, irradiance 800 W/m²; AM 1,5; wind speed 1 m/s; Temperature 20°C

Temperature coefficients

Voltage U _{oc}	-0.30 %/K
Current I _{sc}	0.04 %/K
Output P _{mpp}	-0.42 %/K

Low-light performance (Example for AC-270P/60S)

I-U characteristic curve	Current I _{pp}	Voltage U _{pp}
200 W/m ²	1.79 A	30.02 V
400 W/m ²	3.35 A	30.12 V
600 W/m ²	5.58 A	30.70 V
800 W/m ²	7.03 A	31.03 V
1000 W/m ²	8.64 A	31.26 V

Packaging

Module pieces per pallet	30
Module pieces per HC-container	840